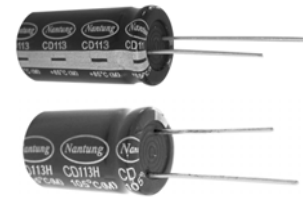


# CD113/CD113H SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS

- CD113: Load life of 1000 hours at 85°C
- CD113H: Load life of 1000 hours at 105°C
- Low dissipation factor, High stability



### SPECIFICATIONS

Item	Characteristics																							
Operating Temperature Range(°C)	-40~+85(CD113H:-40~+105)																							
Rated Voltage Range (V)	6.3~100																							
Nominal capacitance range (μF)	0.1~4700																							
Capacitance Tolerance(20°C,120Hz)	±20%																							
Leakage current (μA)	$I \leq 0.002CV$ or 0.3 whichever is greater (at 20°C ,after 2minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)																							
Dissipation Factor(20°C,120Hz)	<table border="1"> <thead> <tr> <th colspan="2">Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50~100</th> </tr> </thead> <tbody> <tr> <td rowspan="2">tanδ</td> <td>C&gt;1μF</td> <td>0.20</td> <td>0.17</td> <td>0.13</td> <td>0.10</td> <td>0.10</td> <td>0.08</td> </tr> <tr> <td>C≤1 μ F</td> <td>0.06</td> <td>0.06</td> <td>0.06</td> <td>0.06</td> <td>0.06</td> <td>0.06</td> </tr> </tbody> </table>	Rated Voltage (V)		6.3	10	16	25	35	50~100	tanδ	C>1μF	0.20	0.17	0.13	0.10	0.10	0.08	C≤1 μ F	0.06	0.06	0.06	0.06	0.06	0.06
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Temperature Stability(120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50~100</th> </tr> </thead> <tbody> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3	10	16	25	35	50~100	Z-40°C/Z+20°C	8	6	4	4	3	3									
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### DIMENSIONS

### MM

#### Lead spacing and diameter

ΦD	±0.5			±1.0			
	5	6.3	8	10	12.5	16	18
F±0.5	2	2.5	3.5	5		7.5	
Φd±0.1	0.5	0.6			0.8		
a	0~+2.0						

# CD113/CD113H SERIES



## ■ STANDARD RATINGS

WV(V)	6.3		10		16		25		35		50		63		100	
Cap	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
( $\mu$ F)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)	$\Phi$ DxL(mm)	(mA)
0.1	-	-	-	-	-	-	-	-	-	-	5X11	6	-	-	-	-
0.15	-	-	-	-	-	-	-	-	-	-	5X11	7	-	-	-	-
0.22	-	-	-	-	-	-	-	-	-	-	5X11	8	-	-	-	-
0.33	-	-	-	-	-	-	-	-	-	-	5X11	10	-	-	-	-
0.47	-	-	-	-	-	-	-	-	-	-	5X11	12	-	-	-	-
0.68	-	-	-	-	-	-	-	-	-	-	5X11	14	-	-	-	-
1	-	-	-	-	-	-	-	-	-	-	5X11	17	-	-	-	-
1.5	-	-	-	-	-	-	-	-	-	-	5X11	21	-	-	5X11	23
2.2	-	-	-	-	-	-	-	-	-	-	5X11	26	-	-	6.3X11	30
3.3	-	-	-	-	-	-	-	-	-	-	5X11	32	6.3X11	36	6.3X11	36
4.7	-	-	-	-	-	-	-	-	5X11	34	6.3X11	43	6.3X11	43	8X11.5	51
6.8	-	-	-	-	5X11	36	5X11	41	5X11	41	6.3X11	52	6.3X11	52	10X12.5	73
10	-	-	-	-	5X11	43	6.3X11	57	6.3X11	57	8X11.5	75	8X11.5	75	10X16	97
15	-	-	-	-	5X11	53	6.3X11	70	8X11.5	82	8X11.5	92	10X12.5	109	10X20	130
22	-	-	5X11	56	6.3X11	74	8X11.5	99	8X11.5	99	10X12.5	131	10X16	144	10X20	158
33	-	-	6.3X11	79	6.3X11	90	8X11.5	121	10X12.5	144	10X16	176	10X16	176	10X20	193
47	-	-	6.3X11	94	8X11.5	127	10X12.5	172	10X12.5	172	10X16	210	10X20	230	12.5X25	288
68	-	-	6.3X11	113	8X11.5	153	10X12.5	207	10X16	227	10X20	277	10X20	277	12.5X25	346
100	-	-	8X11.5	160	10X12.5	220	10X16	270	10X20	300	12.5X20	380	12.5X25	420	16X25	488
150	8X11.5	183	10X12.5	236	10X16	296	10X20	368	12.5X20	422	12.5X25	514	12.5X25	514	16X31.5	654
220	10X12.5	260	10X16	310	10X20	390	12.5X20	510	12.5X25	550	16X25	720	16X31.5	792	18X35.5	737
330	10X16	350	10X20	420	12.5X20	550	12.5X25	680	16X25	790	16X31.5	970	16X35.5	1018	18X40	1146
470	10X20	460	12.5X20	570	12.5X20	650	16X25	940	16X25	940	16X35.5	1210	18X35.5	1304	-	-
680	10X20	554	12.5X20	786	12.5X25	859	16X31.5	1246	16X31.5	1246	16X35.5	1456	18X35.5	1568	-	-
1000	12.5X25	840	12.5X25	910	16X25	1210	16X35.5	1580	16X35.5	1690	18X40	1996	-	-	-	-
1500	12.5X25	1029	16X25	1297	16X31.5	1623	18X35.5	2083	18X40	2186	-	-	-	-	-	-
2200	16X25	1440	16X31.5	1710	18X35.5	2200	18X40	2648	-	-	-	-	-	-	-	-
3300	16X35.5	2037	16X35.5	2209	18X40	2844	-	-	-	-	-	-	-	-	-	-
4700	18X40	2736	18X40	2968	-	-	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 85°C (CD113H: 105°C), 100 or 120Hz.

The specific capacitance and case size are available on request.